

543,127

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/065687 A1

(51) International Patent Classification⁷:
B01D 33/23

D21D 5/16,

(74) Agents: HAGSTRÖM, Leif et al.; Bergenstråhle & Lind-
vall AB, Box 17704, S-118 93 Stockholm (SE).

(21) International Application Number:

PCT/SE2004/000014

(22) International Filing Date: 12 January 2004 (12.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0300169-0

23 January 2003 (23.01.2003)

SE

(71) Applicant (for all designated States except US): GL &
V SWEDEN AB [SE/SE]; Box 100, S-129 22 Stockholm
(SE).

(72) Inventor; and

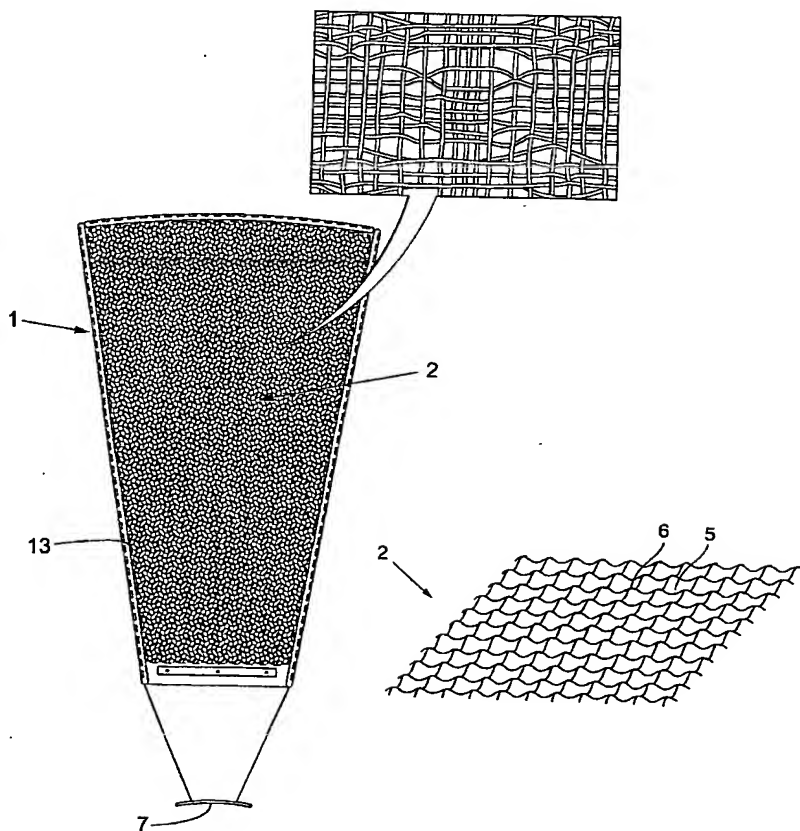
(75) Inventor/Applicant (for US only): HÄGG, Conny
[SE/SE]; Finnholmsvägen 8, S-141 42 Huddinge (SE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: FILTER SECTOR FOR USE IN ROTARY DISC FILTERS FOR SEPARATING PULP SUSPENSIONS



(57) Abstract: A filter sector (1) for use in rotary disc filters for separating pulp suspensions comprises opposite filtration walls (2) of a substantially rigid, wherein a filtrate chamber (4) is formed between the filtration walls for receiving filtrate that has flowed through the filtration walls. Each filtration wall is profiled to form a multiplicity of cavities (5) and humps (6), and each cavity and hump, respectively, includes a multiplicity of meshes of the net. The provision of cavities and humps increases the effective filtering area of the filter sector, which results in increased capacity of the filter sector.

WO 2004/065687 A1